Tyler Lian

Instructional Student Assistant

Education

09.2018 - 06.2021

California Polytechnic State University San Luis Obispo, Computer Science, Bachelors of Science

Relevant Course Work: Introduction to Cybersecurity – Data Structures – Object-Oriented Programming and Design – Introduction to Computer Organization – Introduction to Operating Systems – Systems Programming – Discrete Structures – Theory of Computation – Introduction to Software Engineering

Grade Point Average: 3.2

Experience

09.2019 - present

Computer Science Professor Aid

Data Structures and Fundamentals Instructional Student Assistant

• Create thorough grading scripts in order to test all the functionalities of students' code according to a rubric provided by the professor

• Guide students through project-based assignments to understand complex data structures and recursive algorithms

• Make learning more interesting with real-life examples to keep students engaged

• Focus on mostly stacks, heaps, binary search trees, linked-lists, queues, Huffman trees, hashes, depth-first search, breadth-first search, and graphs

06.2018 - 08.2018

AI & Digital Experiences Intern

Accenture Tech Labs: Digital Experiences

• Worked on an AI based project known as 'Repair Assistant'

• Utilized Python and TensorFlow to set up an application to automatically segment images

• Employed critical thinking and problem-solving abilities to continually learn and complete assignments in a previously unfamiliar field

Projects

10.2020

Quarantine Resume

• Produced a website to easily share resumes online because of COVID-19

• Created with React using the React Router Application Programming Interface

• Hosted on GitHub Pages: tylerlian.github.io/react-resume-website/

04.2020

Canvas Auto-Grader

• Constructed to simplify grading and critiquing hundreds of student projects

• Established with the use of Python scripting and Tkinter's graphical user interface

10.2019

Unrailed

• Created a user interactive game in Java

• Utilized object oriented principles such as inheritance and polymorphism

08.2018

Repair Assistant

• Produced an AI-based application that utilizes Python and TensorFlow to automatically segment photos

• Trained the model based on a photo database of over thousands of photos to accurately distinguish objects

Personal Info

Address

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Phone

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E-mail

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LinkedIn

linkedin.com/in/tyler-lian

Skills

Python

Java

C

Linux

React

Git

Strong Work Ethic

Fast Learner

Inquisitive

Hobbies

Baking

Knitting

Male Hairdressing

Bowling

Ultimate Frisbee